

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
13 January 2005 (13.01.2005)

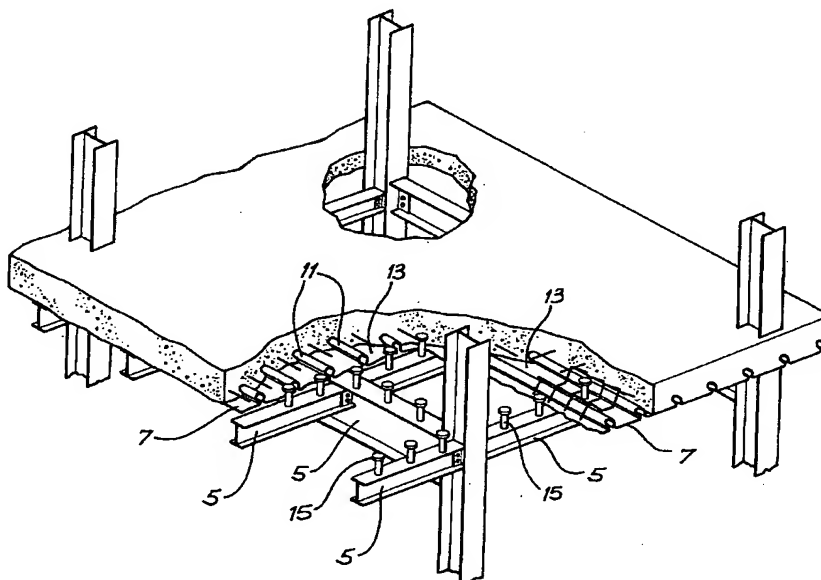
PCT

(10) International Publication Number  
**WO 2005/003482 A1**

- (51) International Patent Classification<sup>7</sup>: **E04C 5/01**, 5/02, E04B 5/38, 5/40, 5/36
- (21) International Application Number: **PCT/AU2004/000874**
- (22) International Filing Date: 30 June 2004 (30.06.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
2003903359 1 July 2003 (01.07.2003) AU
- (71) Applicants (for all designated States except US): **ONESTEEL REINFORCING PTY LTD** [AU/AU]; Level 23, 1 York Street, Sydney, New South Wales 2000 (AU). **UNIVERSITY OF WESTERN SYDNEY** [AU/AU]; Second Avenue, Kingswood, New South Wales 2747 (AU).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **PATRICK, Mark** [AU/AU]; 32 Lewin Street, Springwood, New South Wales 2777 (AU). **GREY, Ross, Victor** [AU/AU]; 23 Spring Street, Beecroft, New South Wales 2119 (AU).
- (74) Agent: **GRIFFITH HACK**; 509 St Kilda Road, Melbourne, Victoria 3004 (AU).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report

[Continued on next page]

(54) Title: A REINFORCING COMPONENT



(57) Abstract: A shear reinforcing component for preventing longitudinal shear failure of a composite element for the building industry is disclosed. The shear reinforcing component is an elongate member that has been bent into a waveform configuration.

WO 2005/003482 A1



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*